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**GENERAL PAPER**

**8001/22**

Paper 2

**October/November 2016**

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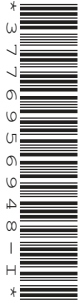
**1 hour 30 minutes**

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**READ THESE INSTRUCTIONS FIRST**

You are required to answer **one** question.

This Insert contains three passages, one for each of Questions 1 to 3. You need to study the passage for the question you have chosen before starting your answer. The time needed to do this is allowed for within the time set for the examination.



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This document consists of **8** printed pages.

**Passage 1** Study the magazine article below to answer Question 1 parts (a)–(g).

**‘Expanding Horizons’**

**Journalist Charlie Norton reports on the British Exploring Society (BES) which takes young people from disadvantaged backgrounds out of their comfort zones and changes their lives in the process.**

Iceland is a place where man takes second place to geology. Even for an expedition, the alien landscape is inhospitable. The pace is faster than expected for a troop of young adventurers. We approach the foot of Mt. Sellandafjall, skidding on boulders and scouring the ground for blueberries to supplement our ration packs. Two hours’ drive from the airport, a track leads to the BES base camp, the springboard for a series of tough missions that will see the adventurers travel close to 200 kilometres on a three-week expedition. 5

But the adventurers here are a little special. They are with the Dangoor Next Generation (DNG) programme, run by BES, aimed at young people not in employment, education or training (NEETs). Challenging expeditions are not the preserve of adventurers and record-setters: they can also be used as a powerful tool to ‘change lives’. The three-month training programme (run jointly with the youth charity Catch 22), followed by a three-week expedition, has seen extraordinary results. Ninety-four percent of the young people involved find employment or training within three months of returning from an expedition. 10

As Caroline Hodges, the DNG programme manager, says, ‘These are young people who have never owned passports, may not have parents around, and play Xbox all the time. The potential to broaden their horizons is massive.’ The 39 adventurers, all aged under 21, are split into four groups and learn to be self-sufficient in the wilderness: pitching their own tents, cooking outdoors and navigating themselves on a 80-kilometre trip over the Askja volcano. All have shown a willingness to step into the unknown and a perseverance that could change their lives forever. For them this is truly another planet. 15 20

One boy is hiking by my side. He tells me he wanted to go back home after the first three days but was persuaded to stay on. ‘I’m glad,’ he says, ‘I’ve decided to join the Army or perhaps go to America.’ At 17 he is the youngest on the trip and barely says a word for the first few days. Back home, out of education, he gets bored, but on this trip he emerges as a natural leader and enrolls on a training course that will see him return as a senior adventurer. 25

The range of expeditions includes biodiversity research in the Peruvian Amazon, study of polar climate change in the Arctic, and adventures in the Indian Himalayas, Oman, Namibia and Iceland. Traditionally, the Young Explorers have either raised funds themselves or parents have contributed. But the present BES chairman, Teddy Watson, wanted to expand and implemented the outreach programme in 2006. Now he believes it is the core of BES. ‘We are a society open to everybody, regardless of means, but the Next Generation programme is critical to what we do. The BES is about unlocking the potential of the young and it’s just as much about disaffected people, in and out of jail, as it is people born with a silver spoon in their mouth.’ 30

To be eligible for DNG, candidates must be aged between 16 and 21 and part of a Catch 22 programme. ‘The most common referrals are from people leaving care,’ Hodges says. ‘Young people who grew up in the care system may have found themselves in foster placements or in residential care, and are now in a position to make the transition into adulthood, and living independently.’ Key workers fill in referral forms for the candidates (detailing their problems, which might include aggression, eating disorders, self-harm or low self-esteem) and each applicant has to complete a short statement about why they want to take part. 35 40

‘Young people from difficult backgrounds often lack confidence, positive role models and the discipline to escape a downward spiral in society,’ says Neil Laughton, the chief leader. As Adrian

Taylor, the national project manager with Catch 22, adds, ‘Many live in small world syndrome.’ They find out for the first time about the world beyond, what it takes to survive in the wilderness. Laughton remembers when one boy looked out of the coach window and asked, ‘What’s that?’ Laughton replied, ‘It’s a cow’.

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‘All the research suggests that the time between adolescence and adulthood is crucial,’ Taylor says. Another unifying factor seems to be struggle. ‘The NEETs have to do something very challenging outside their comfort zone, which has a tremendous effect on self-confidence and self-esteem,’ he says.

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‘The moments that mean the most in terms of personal development,’ Hodges says, ‘are when a young person walks away from a confrontation when previously they might have risen to the bait; or when one of them gets out of bed without a 20-minute debate, or helps his/her group by making dinner for the first time after having selfishly let them do everything for weeks – these are the little moments of triumph that our staff work hard for.’

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By June 2013 there were more than 1 million NEETs between 16 and 24 in Britain. The cost to the government and the taxpayer is astronomical, about \$150 000 over a person’s lifetime. Interestingly, the US government spent \$428 million on an after-school programme in 2006, estimating that in the long run it would save \$1.3 billion. The BES cost of \$8000 to put someone through the three-month programme pales against these figures.

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**Passage 2** Study the information below to answer Question 2 parts (a)–(d).

### The 'Route to Health' Initiative

Twengot Town Council is currently working with the local doctors' surgery to apply for a government grant worth up to \$250 000 to help improve the general health and wellbeing of the town. What has emerged is the idea of designing a route to encourage the greatest number of people to take some form of exercise, because there has been a worrying increase in the local rates of obesity, type 2 diabetes and depression.

Three possible Routes to Health have been devised:

<b>Route A</b>	<b>Details</b>
Length	Full circuit – 10 km; shorter circuit – 6 km
Time	Full circuit – 2 hours on foot; shorter circuit – 1 hour on foot
Suitable for	Full circuit – walkers, dog walkers, hill climbers; shorter circuit – walkers, dog walkers, wheelchair users, joggers, cyclists, horse riders
Difficulty	Full circuit – difficult (3 steep climbs); short circuit – easy (1 gentle ascent)
Access	Full circuit – some boggy places in wet weather, some loose stones on hills, uneven stone steps; shorter circuit – 2 gates to negotiate
Starting point	Twengot's LoCost supermarket car park
Cost to construct	\$300 000 – to upgrade existing pavements, tracks and paths; to erect signs along the length of both circuits
Time to construct	9 months

<b>Route B</b>	<b>Details</b>
Length	16 km to Sinpole and back
Time	Return journey – 3 hours on foot
Suitable for	Walkers, dog walkers, wheelchair users, joggers, cyclists, horse riders
Difficulty	Easy – the whole route is flat because it is following the length of a disused railway track between Twengot and Sinpole
Access	No major issues, just slightly bumpy over two disused level crossings
Starting point	Site of the old railway station buildings on the edge of Twengot
Cost to construct	\$250 000 – to remove the railway tracks, stabilise the route in one place and lay tarmac; to erect signs at each end of the route
Time to construct	6 months

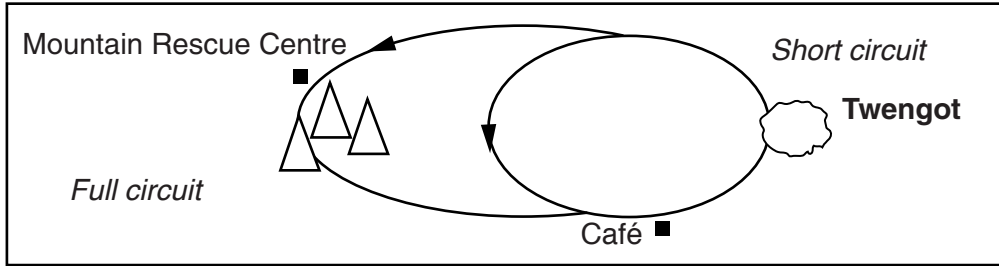
<b>Route C</b>	<b>Details</b>
Length	Figure of eight circuit – 8 km if both completed
Time	1 hour 30 minutes on foot
Suitable for	Walkers, dog walkers, joggers
Difficulty	Moderately easy as terrain is flat in both Twengot and the countryside
Access	Pavements too narrow in Twengot town centre for wheelchairs; town roads too narrow and busy for cyclists or horse riders. Sections of the northern part flood in wet weather and stone steps become slippery
Starting point	Twengot Town Hall
Cost to construct	\$150 000 – to upgrade the surface of existing pavements, paths and tracks; to erect signs along the length of the route
Time to construct	2 months

### **Additional information**

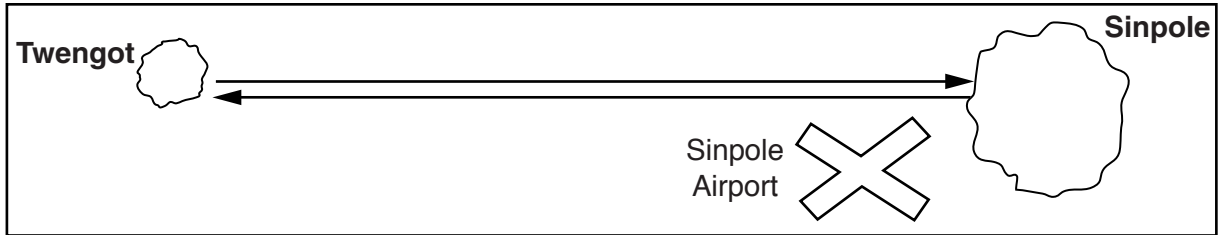
- 1) Route A provides beautiful settings to exercise in; Route B goes through industrial estates before reaching the manufacturing city of Sinpole; Route C has a mixture of settings – pretty historic towns and lovely countryside
- 2) It costs \$2 a day to park at LoCost – refundable against any purchase made in the supermarket
- 3) A local charity now has a substantial fund to grant local groups and organisations money to make places more accessible (e.g. using ramps, decking, etc.), thanks to the generosity of a local landowner in his will
- 4) Twengot and Sinpole, despite their difference in size and importance, are fierce competitors in every aspect of life
- 5) There is a free car park near Twengot Town Hall to attract both shoppers and tourists – 20 spaces are available, maximum stay of one hour
- 6) 'Rock + Water', a national chain of outdoor clothing suppliers, is running a competition offering prize money of up to \$100 000 each to the best five schemes nationwide encouraging a wider range of people to get out into the countryside
- 7) Both the council and the doctors are keen to get people exercising as soon as possible so that benefits are seen sooner rather than later

**A diagram of each Route is shown on page 6.**

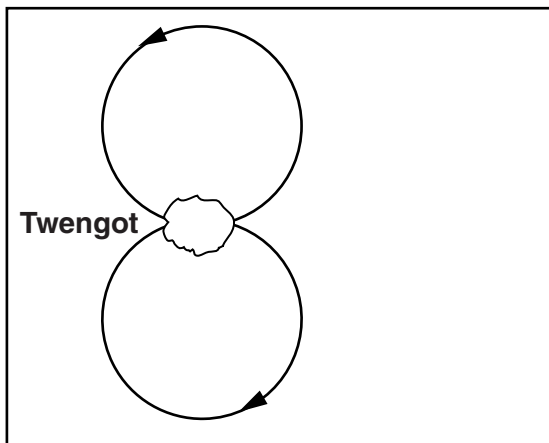
**Plan of Route A**





**Plan of Route B**



**Plan of Route C**



**Key**

-  Mountain
-  Settlement

Diagrams are not to scale

**Passage 3** Study the information below to answer Question 3 parts (a)–(e).

**Please note that sections marked with [...] have been left blank deliberately.**

Two friends, Tomasina and Sven, are organising an event to raise money towards paying for Ludovic, a work colleague at Acme International, to go abroad for pioneering treatment because he has a life-threatening illness not covered by his health insurance.

Here are **parts** of their conversation so far:

- Tomasina: I've been thinking about Ludovic a lot the last few days and I think we really need to come up with a brilliant plan to make the most money we possibly can for him. We really have to – there's not a moment to lose, you know.
- Sven: Yes, I know. He's been on my mind too. I really miss him sitting opposite me, cracking jokes when the phones won't stop ringing and clients are shouting at me down the line. Can't wait till he's back with us. He's such a great bloke and really deserves this chance. How about a parachute jump? I think a lot of people would sponsor us as it's such a daring thing to do, so we'd raise a lot of money all in one go. There's a club nearby so it wouldn't be difficult to organise or far for people to travel to. What do you think? 5  
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- Tomasina: Trouble with that is you'd be on your own. No way could I do that, I'm afraid – I've a fear of heights. And you know that it's quite a common fear so I'm not sure how many people you'd get signing up for it. I think it would be better to do something that lots of people will want to do with us to maximise how much we raise. Time is running out, you know. 15
- Sven: So what's your better idea then?
- Tomasina: Well, I thought, as it's nearly summer, we could organise a fun run. On top of raising money for a good cause, people would be getting in shape ready for their summer holidays and hitting the beach. I bet we could get hundreds of people to do it if we sell the idea of it to them in that way. Just imagine how much we could raise with all the sponsorship money everyone would collect! 20
- Sven: Right, I can see problems with that idea straight away. [...]
- Tomasina: Oh, I suppose you're right. I hadn't really thought it through, had I? OK then, let me think ... we're up against the clock ... so ... what would you say to a quiz night? If we took over the office canteen for the evening, we could probably squeeze in fifty teams of four people and charge each participant \$10 to enter. That's \$2000 immediately. We could ask Acme International to sponsor the prize money to save costs as Ludovic has worked for them for over ten years and won Employee of the Year three times. It would be good for staff morale to see that the company values all its employees, especially when they face difficult situations not of their making. Plus, we could buy in food and drink to sell on the night whilst people are playing to raise even more money. So, really, a 'Quiz Night and Supper' is what I'm saying. 25  
30
- Sven: Sorry to rain on your parade, but I've got reservations about a quiz night too. [...]
- Tomasina: Oh yes, you're right. It's just I really want to do something to help Ludovic and I'm so brimming over with ideas. Would it be easier to put on something like a disco? We could ask one of the local venues if they would let us hire it for the night for free, in return for all the positive publicity we could get for them. \$10 entry per 35

person would raise loads, I'm sure. We could have competitions or raffles to raise more money throughout the night too.

- Sven: Oh, Tomasina, what am I going to do with you! It's great to have so many ideas like you have, but you really need to filter the good from the bad. That idea probably won't work because [...] 40
- Tomasina: OK, you're right again. My last shot then. They held a sponsored silence at my sister's college last week during their lunch hour and raised quite a bit. I'm sure we could do better as Acme International is such a big company. 45
- Sven: Right, let me stop you there. I can't see that idea being very popular or raising a lot of money as it's not eye-catching, is it? Let me suggest something that I think will go down well and so attract the largest number of people and raise the most money for Ludovic's treatment: 'Acme International's Talent Show'. There! What do you say to that idea, Tomasina? 50

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